

# Omar Morhbi

A motivated and talented individual eager to leverage my skills in software development and data analysis and a trustworthy team member with a great ability to bring teams together to successfully complete projects.

(718) 360-3064 [omorhbi@gmail.com](mailto:omorhbi@gmail.com) Brooklyn, NY [PORTFOLIO](#) [GITHUB](#) [LINKEDIN](#)

## SKILLS

JavaScript, Node.js, React, HTML, CSS, Saas/Scss, Mongoose, MongoDB, Express.js, Python, Pandas, PostgreSQL, RESTful APIs, Java, jQuery, Git, Agile/Scrum, AJAX, SQLAlchemy, PyMongo, Psycopg2, Mocha/Chai, Heroku, UNIX, SSH/PuTTY, TCP/IP

## PROJECTS

**Supperwhere** (MongoDB, Express.js, React.js, Node.js, Javascript, CSS)

[Live](#) | [Github](#)

*Supperwhere is a full stack web application that recommends users restaurants based on their financial and dietary preferences*

- Integrated React.js and a built from scratch CSS to make a mobile and user-friendly application.
- Used Zomato's API to allow users to view their search results and recommended restaurants while allowing them to easily locate their restaurant through Google Maps.
- Teamed with three other developers to work on the application using the Scrum framework to ensure proper code review and delegation of work.
- Wrote documentation that detailed the blueprint for the front-end, the project's technical requirements, and the user stories.
- Implemented a user authentication system with the use of JSON Web Tokens, which prevents anonymous users from accessing other pages.

**A Certain Daily Journal** (MongoDB, Express.js, Node.js, Javascript, Handlebars.js, AJAX, Bootstrap CSS)

[Portfolio](#) | [Github](#)

*A Certain Daily Journal is a journal sharing website that allows guest and logged in users to see journals created by other users.*

- Created a user authentication system with the passport-local module, which allowed users and guests alike to see journals publicly shared by other users, but forced guests to login when trying to create or access their journals.
- Implemented a database using MongoDB, which worked in conjunction with passport by storing journals and user information.
- Designed a client-side form validation with AJAX, notifying users with a clear message if they submitted successfully or not.

**Two-Pass Linker** (Java)

[Github](#)

*A Java application that simulates a two-pass linker by simulating modules with symbols and relocates the symbols to their absolute address, which gets outputted to the user.*

- Runs user input from the command line twice, with the first run checking for any relative addresses with the second run relocating those addresses.
- Creates a symbol table for the user that shows each symbol's absolute address.
- Disables modules that have an address larger than the virtual machine size.

**The Big O Bot** (Python)

[Live](#) | [Github](#)

*A Twitter bot that takes nouns and modifies them to make a small and fun tweet.*

- Developed a script that posts tweets periodically and replies to other users through Twitter's mentions.
- Interacted with Twitter's API by using Tweepy so the bot can send tweets and reply to mentions.
- Utilized Python's built-in NLP library to parse inputted words from a user and check if it's a valid noun or noun phrase.

## EDUCATION

**New York University**

Sep 2016 - May 2020

*Bachelor of Computer Science*

*New York, NY*

- **GPA:** 3.079/4.0
- **Relevant Coursework:** Agile Software Development; Applied Internet Technologies (Full Stack Web Development); Data Management and Analysis; Basic Algorithms; Operating Systems; Data Structures
- Specialized in Software Development and Data Analysis